

CLAIMS

1. Arrangement for the detachable connection of a wiper blade on a swivelable wiper arm of a wiper arrangement for windows of motor vehicles, with a bushing that can be connected to the wiper blade or arranged on it for accommodating a plug-in axis of the wiper arm and with a device to lock the plug-in axis in the bushing at least in an operating position of the wiper blade, in which the directions of the longitudinal extension of the wiper blade and the wiper arm are aligned approximately parallel to one another, characterized in that the device for locking includes a catch hook (20) arranged on the wiper blade (12), which in the operating position partially grips around the wiper arm (10) near the plug-in axis (16) and forms an angular limit stop for the wiper blade (12).
2. Arrangement according to Claim 1, characterized in that in the operating position of the wiper blade (12), the catch hook (20) blocks an axial movement of the plug-in axis (16) in the bushing (18) to a large extent.
3. Arrangement for the detachable connection of a wiper blade on a swivelable wiper arm of a wiper arrangement for windows of motor vehicles, with a bushing that can be connected to the wiper blade or arranged on it for accommodating a plug-in axis of the wiper arm and with a device to lock the plug-in axis in the bushing at least in an operating position of the wiper blade, in which the directions of the longitudinal extension of the wiper blade and the wiper arm are aligned approximately parallel to one another, characterized in that the device for locking includes a bow (22) arranged on a free end of the plug-in axis (16) and projecting over its outside diameter, which in the operating position locks the plug-in axis (16) in the bushing (18) so that it can swivel.
4. Arrangement according to Claim 3, characterized in that in the operating position of the wiper blade (12), an axial movement of the plug-in axis (16) in the bushing (18) is blocked to a large extent.

5. Arrangement according to Claim 3 or 4, characterized in that in the bushing (18) features a longitudinal groove (24) corresponding to the bow (22) of the plug-in axis (16).
6. Arrangement for the detachable connection of a wiper blade on a swivelable wiper arm of a wiper arrangement for windows of motor vehicles, with a bushing that can be connected to the wiper blade or arranged on it for accommodating a plug-in axis of the wiper arm and with a device to lock the plug-in axis in the bushing at least in an operating position of the wiper blade, in which the directions of the longitudinal extension of the wiper blade and the wiper arm are aligned approximately parallel to one another, characterized in that the device for locking includes a catch hook (20) arranged on the wiper arm (10), which in the operating position partially grips around a covering (26) of a coupling element (14) of the wiper blade (12), which covering contains the bushing (18), and forms an angular limit stop for the wiper blade (12).
7. Arrangement for the detachable connection of a wiper blade on a swivelable wiper arm of a wiper arrangement for windows of motor vehicles, with a bushing that can be connected to the wiper blade or arranged on it for accommodating a plug-in axis of the wiper arm and with a device to lock the plug-in axis in the bushing at least in an operating position of the wiper blade, in which the directions of the longitudinal extension of the wiper blade and the wiper arm are aligned approximately parallel to one another, characterized in that the device for locking includes a locking pin (28) arranged near and parallel to the plug-in axis (16), which locking pin in the operating position engages in a trough-shaped receptacle (30) of a coupling element (14) of the wiper blade (12) and blocks to a large extent an axial movement of the plug-in axis (16) in the bushing (18) and forms an angular limit stop for the wiper blade (12).
8. Arrangement according to Claim 7, characterized in that the locking pin (28) features a heel (32) on its free end having a greater thickness than the trough-shaped receptacle (30).
9. Arrangement according to one of Claims 1 through 8, characterized in that the plug-in axis (16) can only be displaced in the bushing (18) in the axial direction in a pre-defined angular range that differs from the operating position.

10. Arrangement according to one of Claims 1 through 9, characterized in that the wiper blade (12) can be separated from the wiper arm (10) in an angular position outside the operating position.
11. Arrangement for the detachable connection of a wiper blade on a swivelable wiper arm of a wiper arrangement for windows of motor vehicles, with a bushing that can be connected to the wiper blade or arranged on it for accommodating in a lockable manner a plug-in axis that can be connected to the wiper arm, characterized in that the plug-in axis (16) is arranged on a second coupling element (15) that can be slid over a free end (34) of the wiper arm (10) and can be locked therewith.
12. Arrangement according to Claim 11, characterized in that the second coupling element (15) can be locked with the free end (34) of the wiper arm (10).